



**SUMMARY OF  
NIH INNOVATIONS IN BIOMEDICAL INFORMATION  
SCIENCE AND TECHNOLOGY AWARDS  
FOR PROGRAM ANNOUNCEMENT PA-00-117  
FY 2001**

The following text provides a summary of grants from BISTIC member institutes and centers for NIH innovations in biomedical information science and technology awards in response to program announcement PA-00-117. The objective of this program is to support innovative computational biology research whose outcomes are likely to advance health or health-related research within the mission of the NIH.

Funded grants are listed below in alphabetical order by the principal investigator's (PI's) last name. Other information provided for each grant includes PI affiliation, grant title, application number, funding organization, and a brief summary of the project.

- 1. PRINCIPAL INVESTIGATOR: ACTON, SCOTT**  
**AFFILIATION:** UNIVERSITY OF VIRGINIA CHARLOTTESVILLE  
**PROJECT TITLE:** SYSTEM FOR AUTOMATED TRACKING OF  
LEUKOCYTES IN VIVO  
**GRANT NUMBER:** 1R21HL068510-01
- 2. PRINCIPAL INVESTIGATOR: BARKAI, NAAMA**  
**AFFILIATION:** WEIZMANN INSTITUTE OF SCIENCE  
**PROJECT TITLE:** COMPUTATION TOOLS FOR ANALYZING GENE  
EXPRESSION DATA  
**GRANT NUMBER:** 1R21AI050562-01
- 3. PRINCIPAL INVESTIGATOR: BOYER, JAMES L**  
**AFFILIATION:** MOUNT DESERT ISLAND BIOLOGICAL LAB  
**PROJECT TITLE:** COMPARATIVE TOXICOGENOMICS DATABASE  
**GRANT NUMBER:** 1R21ES011267-01
- 4. PRINCIPAL INVESTIGATOR: GU, CHONG**  
**AFFILIATION:** PURDUE UNIVERSITY WEST LAFAYETTE  
**PROJECT TITLE:** COMPREHENSIVE SOFTWARE FOR FLEXIBLE  
STATISTICAL MODELS  
**GRANT NUMBER:** 1R33HL068515-01
- 5. PRINCIPAL INVESTIGATOR: HERZENBERG, LEONARD A**  
**AFFILIATION:** STANFORD UNIVERSITY  
**PROJECT TITLE:** AUTOMATED ANALYSIS: HI-D FACS DATA BY  
SCALE-SPACE METHOD

**GRANT NUMBER:** 1R33HL068522-01

- 6. PRINCIPAL INVESTIGATOR: OLSON, ARTHUR J**  
**AFFILIATION:** SCRIPPS RESEARCH INSTITUTE  
**PROJECT TITLE:** TANGIBLE INTERFACES FOR RESEARCH IN  
MOLECULAR BIOLOGY  
**GRANT NUMBER:** 1R21GM064340-01
- 7. PRINCIPAL INVESTIGATOR: TYSON, JOHN J**  
**AFFILIATION:** VIRGINIA POLYTECHNIC INST AND ST UNIV  
**PROJECT TITLE:** PROBLEM SOLVING ENVIRONMENT FOR  
MODELING THE CELL CYCLE  
**GRANT NUMBER:** 1R01GM064339-01